

# **Estimation: Sums and Differences of Mixed Numbers**

Round to the nearest whole number.

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|---------------------------|----------------------------|----------------------------|---------------------------|
| 1. $2\frac{4}{5}$ _____   | 2. $11\frac{13}{24}$ _____ | 3. $19\frac{19}{36}$ _____ | 4. $9\frac{21}{34}$ _____ |
| 5. $2\frac{1}{9}$ _____   | 6. $8\frac{4}{11}$ _____   | 7. $15\frac{1}{2}$ _____   | 8. $17\frac{5}{21}$ _____ |
| 9. $9\frac{5}{9}$ _____   | 10. $4\frac{4}{5}$ _____   | 11. $5\frac{7}{20}$ _____  | 12. $2\frac{2}{9}$ _____  |
| 13. $6\frac{8}{23}$ _____ | 14. $3\frac{1}{7}$ _____   | 15. $6\frac{1}{2}$ _____   | 16. $13\frac{6}{7}$ _____ |

Estimate.

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|---|--|---|
| 17. $1\frac{1}{7} + 6\frac{5}{6}$ _____     | 18. $9\frac{7}{24} - 7\frac{5}{6}$ _____               | 19. $19\frac{4}{7} + 7\frac{1}{3}$ _____                |
| 20. $14\frac{4}{5} + 1\frac{3}{8}$ _____    | 21. $20\frac{1}{15} - 15\frac{2}{5}$ _____             | 22. $4\frac{1}{30} + 2\frac{5}{6} + 3\frac{5}{7}$ _____ |
| 23. $7\frac{1}{2} + 6\frac{5}{6}$ _____     | 24. $4\frac{2}{5} + 2\frac{7}{10}$ _____               | 25. $12\frac{17}{18} - 1\frac{1}{2}$ _____              |
| 26. $16\frac{5}{8} - 2\frac{1}{2}$ _____    | 27. $9\frac{2}{3} + 3\frac{7}{8} + 4\frac{1}{3}$ _____ | 28. $6\frac{8}{15} - 1\frac{1}{3}$ _____                |
| 29. $11\frac{7}{24} + 10\frac{1}{12}$ _____ | 30. $5\frac{3}{8} + 1\frac{11}{24}$ _____              | 31. $11\frac{2}{9} + 4\frac{4}{9} + 8\frac{1}{7}$ _____ |
| 32. $3\frac{1}{2} + 9\frac{10}{17}$ _____   | 33. $3\frac{23}{24} - 1\frac{1}{3}$ _____              | 34. $12\frac{22}{25} - 11\frac{4}{5}$ _____             |
| 35. $7\frac{1}{20} - 4\frac{9}{20}$ _____   | 36. $1\frac{1}{3} + 14\frac{2}{3}$ _____               | 37. $9\frac{5}{18} - 4\frac{1}{2}$ _____                |
| 38. $23\frac{23}{24} - 21\frac{3}{8}$ _____ | 39. $1\frac{7}{12} + 9\frac{1}{6}$ _____               | 40. $11\frac{5}{16} + 11\frac{1}{2}$ _____              |
| 41. $6\frac{8}{23} + 5\frac{2}{23}$ _____   | 42. $9\frac{1}{2} + 8\frac{10}{11}$ _____              | 43. $5\frac{5}{9} + 5\frac{1}{2}$ _____                 |
| 44. $20\frac{23}{30} - 8\frac{3}{5}$ _____  | 45. $24\frac{3}{5} - 17\frac{17}{20}$ _____            | 46. $12\frac{1}{2} + 3\frac{3}{7} + 2\frac{8}{9}$ _____ |
| 47. $15\frac{7}{12} + 11\frac{5}{8}$ _____  | 48. $2\frac{2}{7} + 1\frac{5}{6}$ _____                | 49. $19\frac{2}{5} + 5\frac{7}{9}$ _____                |

50. Bob's punch bowl holds 9 cups. He plans to make a punch using  $7\frac{1}{3}$  cups of water and  $2\frac{1}{2}$  cups of juice concentrate. Does he need a larger bowl?  
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51. On Monday, Stephanie bought some stock for  $\$36\frac{5}{8}$  per share. Her stock went up 2 on Tuesday, up  $1\frac{1}{4}$  on Wednesday, up  $3\frac{9}{16}$  on Thursday, and was unchanged on Friday. Estimate the price on Friday.  
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